

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 3

DATED 5/02/2011

Control	0180-03-035, ETC.
Project	STP 1102(113), ETC.
Highway	SH 35
County	ARANSAS

Ladies/Gentlemen:

Attached please find an addendum on the above captioned project. Included in the attachment is an addendum notification which details the changes and the respective proposal pages which were added and/or changed.

Except for new bid insert pages, it is unnecessary to return any of the pages attached.

Bid insert pages must be returned with the bid proposal submitted to the Department, unless your firm is submitting a bid using a computer print out. The computer print out must be changed to reflect the new bid item information.

Contractors and material suppliers, etc. who have previously been furnished informational proposals are not being furnished a copy of the addendum. If you have a subcontractor on the above project, please advise them of this addendum. Acknowledgment of this addendum is not requested if your company has been issued a proposal stamped "This Proposal Issued for Informational Purposes."

You are required to acknowledge receipt of this addendum on the Addendum Acknowledgement form contained in your bid proposal by placing a mark in the box next to the respective addendum.

Failure to Acknowledge receipt of this addendum in your bid proposal will result in your bid not being read.

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: STP 1102(113)

CONTROL: 0180-03-035

COUNTY: ARANSAS

LETTING: 05/04/2011

REFERENCE NO: 0502

PROPOSAL ADDENDUMS

X PROPOSAL COVER

X BID INSERTS (SH. NO.: 7-16

X GENERAL NOTES (SH. NO.: V (PLAN SHEET 8J)

_ SPEC LIST (SH. NO.:

_ SPECIAL PROVISIONS:

ADDED:

DELETED:

_ SPECIAL SPECIFICATIONS:

ADDED:

DELETED:

X OTHER: PLAN SHEETS 8J AND 9A

DESCRIPTION OF ABOVE CHANGES

(INCLUDING PLANS SHEET CHANGES)

PROPOSAL COVER

WORKING DAYS INCREASED FROM 903 TO 968

BID INSERTS

SHEET 7-16 - CHANGED QUANTITY FOR ITEM 502 2001

GENERAL NOTES

SHEET V - ITEM 4574 DELETED ALL REFERENCES TO SHEET PILING

PLAN SHEETS

SHEET 9A - CHANGED QUANTITY FOR ITEM 502 2001

Control	0180-03-035, ETC.
Project	STP 1102(113), ETC.
Highway	SH 35
County	ARANSAS

PROPOSAL TO THE TEXAS TRANSPORTATION COMMISSION

2004 SPECIFICATIONS

WORK CONSISTING OF REPLACE EXISTING BRIDGE & REWK APRO ARANSAS COUNTY, TEXAS

The quantities in the proposal are approximate. The quantities of work and materials may be increased or decreased as considered necessary to complete the work as planned and contemplated.

This project is to be completed in 968 working days and will be accepted when fully completed and finished to the satisfaction of the Executive Director or designee.

Provide a proposal guaranty in the form of a Cashier's Check, Teller's Check (including an Official Check) or Bank Money Order on a State or National Bank or Savings and Loan Association, or State or Federally chartered Credit Union made payable to the Texas Transportation Commission in the following amount:

ONE HUNDRED THOUSAND (Dollars) (\$100,000)

A bid bond may be used as the required proposal guaranty. The bond form may be detached from the proposal for completion. The proposal may not be disassembled to remove the bond form. The bond must be in accordance with Item 2 of the specifications.

Any addenda issued amending this proposal and/or the plans that have been acknowledged by the bidder, become part of this proposal.

By signing the proposal the bidder certifies:

1. the only persons or parties interested in this proposal are those named and the bidder has not directly or indirectly participated in collusion, entered into an agreement or otherwise taken any action in restraint of free competitive bidding in connection with the above captioned project.
2. in the event of the award of a contract, the organization represented will secure bonds for the full amount of the contract.
3. the signatory represents and warrants that they are an authorized signatory for the organization for which the bid is submitted and they have full and complete authority to submit this bid on behalf of their firm.
4. that the certifications and representations contained in the proposal are true and accurate and the bidder intends the proposal to be taken as a genuine government record.

• **Signed: ****

(1) _____ (2) _____ (3) _____

Print Name:

(1) _____ (2) _____ (3) _____

Title:

(1) _____ (2) _____ (3) _____

Company:

(1) _____ (2) _____ (3) _____

- Signatures to comply with Item 2 of the specifications.

**Note: Complete (1) for single venture, through (2) for joint venture and through (3) for triple venture.

* When the working days field contains an asterisk (*) refer to the Special Provisions and General Notes.

NOTICE TO CONTRACTORS

ANY CONTRACTORS INTENDING TO BID ON ANY WORK TO BE AWARDED BY THIS DEPARTMENT MUST SUBMIT A SATISFACTORY “AUDITED FINANCIAL STATEMENT” AND “EXPERIENCE QUESTIONNAIRE” AT LEAST TEN DAYS PRIOR TO THE LETTING DATE.

UNIT PRICES MUST BE SUBMITTED IN ACCORDANCE WITH ITEM 2 OF THE STANDARD SPECIFICATIONS OR SPECIAL PROVISION TO ITEM 2 FOR EACH ITEM LISTED IN THIS PROPOSAL.

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	100	2002	002	PREPARING ROW DOLLARS and CENTS	STA	83.800	1
	104	2001		REMOVING CONC (PAV) DOLLARS and CENTS	SY	738.000	2
	104	2010		REMOVING CONC (RIPRAP) DOLLARS and CENTS	CY	268.000	3
	104	2040		REMOVING CONC (PAVERS) DOLLARS and CENTS	SY	3,820.000	4
	106	2001		OBLITERATING ABANDONED ROAD DOLLARS and CENTS	STA	35.760	5
	110	2001		EXCAVATION (ROADWAY) DOLLARS and CENTS	CY	2,663.000	6
	110	2003		EXCAVATION (SPECIAL) DOLLARS and CENTS	CY	23,038.000	7
	132	2006		EMBANKMENT (FINAL)(DENS CONT)(TY C) DOLLARS and CENTS	CY	16,547.000	8
	134	2001		BACKFILL (TY A) DOLLARS and CENTS	STA	65.200	9
	158	2007		SPEC EXCAV WORK (UNDERWATER) DOLLARS and CENTS	CY	1,600.000	10
	162	2002		BLOCK SODDING DOLLARS and CENTS	SY	24,872.000	11

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	164	2033	004	DRILL SEEDING (PERM) (RURAL) (SANDY) DOLLARS and CENTS	SY	13,774.000	12
	166	2002	001	FERTILIZER DOLLARS and CENTS	TON	.570	13
	168	2001		VEGETATIVE WATERING DOLLARS and CENTS	MG	624.500	14
	247	2056	033	FL BS (CMP IN PLC)(TY D GR 4)(FNAL POS) DOLLARS and CENTS	CY	5,802.000	15
	275	2001	002	CEMENT DOLLARS and CENTS	TON	218.000	16
	275	2011	002	CEMENT TREAT(EXIST MATL)(8") DOLLARS and CENTS	SY	17,276.000	17
	310	2019		PRIME COAT (MC-30 OR SS-1) DOLLARS and CENTS	GAL	3,279.000	18
	316	2402	016	ASPH (AC-5, AC-10, CRS-2, OR HFRS-2) DOLLARS and CENTS	GAL	6,220.000	19
	316	2590	016	AGGR(TY PB GR 4 OR TY PB GR 4S)SAC-B DOLLARS and CENTS	CY	188.000	20
	341	2064	024	D-GR HMA(QCQA) TY-C SAC-B PG76-22 DOLLARS and CENTS	TON	4,780.000	21
	341	2136	024	D-GR HMA(QCQA) TY-D SAC-B PG76-22 DOLLARS and CENTS	TON	16.000	22

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	ITEM NO	DESC CODE	S.P. NO.				
	341	2243	024	D-GR HMA(QCQA) TY-B SAC-B PG76-22 DOLLARS and CENTS	TON	2,861.000	23
	354	2048		PLANE ASPH CONC PAV (3") DOLLARS and CENTS	SY	898.000	24
	354	2084		PLANE ASPH CONC PAV (3" TO 6") DOLLARS and CENTS	SY	25,093.000	25
	400	2005		CEM STABIL BKFL DOLLARS and CENTS	CY	323.000	26
	400	2006		CUT & RESTORING PAV DOLLARS and CENTS	SY	82.000	27
	409	2016		PRESTR CONC PIL (18 IN SQ)(HPC) DOLLARS and CENTS	LF	320.000	28
	409	2018		PRESTR CONC PIL (24 IN SQ)(HPC) DOLLARS and CENTS	LF	27,844.000	29
	416	2029	001	DRILL SHAFT (RDWY ILL POLE) (30 IN) DOLLARS and CENTS	LF	124.000	30
	420	2006	002	CL C CONC (RAIL FOUNDATION) DOLLARS and CENTS	CY	13.100	31
	420	2033	002	CL S CONC (APPR SLAB) DOLLARS and CENTS	CY	125.100	32
	420	2041	002	CL C CONC (ABUT)(HPC) DOLLARS and CENTS	CY	88.800	33

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	ITEM NO	DESC CODE	S.P. NO.				
	420	2042	002	CL C CONC (BENT)(HPC) DOLLARS and CENTS	CY	6,939.200	34
	420	2123	002	CL C CONC (FOOTING) (HPC) DOLLARS and CENTS	CY	2,467.200	35
	420	2216	002	CL S CONC (SUPPORT SLAB) DOLLARS and CENTS	CY	24.000	36
	420	2258	002	CL F CONC (BENT)(HPC) DOLLARS and CENTS	CY	4,741.600	37
	422	2003		REINF CONC SLAB (HPC)(CL S) DOLLARS and CENTS	SF	880,800.000	38
	423	2005		RETAINING WALL (TEMP WALL) DOLLARS and CENTS	SF	4,690.000	39
	423	2014		RET WALL (SPREAD FOOTING)(SPL) DOLLARS and CENTS	SF	5,982.000	40
	425	2068	001	PRESTR CONC GIRDER (TX54) DOLLARS and CENTS	LF	129,785.950	41
	425	2070	001	PRESTR CONC GIRDER (TX70) DOLLARS and CENTS	LF	1,794.000	42
	428	2002	001	CONC SURF TREAT (CLASS II) DOLLARS and CENTS	SY	93,177.000	43
	432	2002		RIPRAP (CONC)(5 IN) DOLLARS and CENTS	CY	228.000	44

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	ITEM NO	DESC CODE	S.P. NO.				
	432	2040		RIPRAP (MOW STRIP)(5 IN) DOLLARS and CENTS	CY	32.200	45
	432	2048		RIPRAP (CONC)(FLUME) DOLLARS and CENTS	CY	5.700	46
	432	2066		RIPRAP (CONC)(CL B) DOLLARS and CENTS	CY	10.400	47
	432	2072		RIPRAP (CONC)(CL B)(RR8&RR9) DOLLARS and CENTS	CY	37.400	48
	442	2048	016	STRUCTURAL STEEL(MISC NON-BRIDGE) DOLLARS and CENTS	LB	6,034.000	49
	442	2052	016	STR STL (ROLLED BEAM)(HP 12X54) DOLLARS and CENTS	LB	100,700.000	50
	442	2053	016	STR STL (ROLLED BEAM)(WT 8X20) DOLLARS and CENTS	LB	9,000.000	51
	450	2161	001	RAIL (TY T223) DOLLARS and CENTS	LF	22,665.000	52
	454	2001		SEALED EXPANSION JOINT (4 IN)(SEJ-A) DOLLARS and CENTS	LF	2,560.000	53
	464	2003	003	RC PIPE (CL III)(18 IN) DOLLARS and CENTS	LF	371.000	54
	464	2005	003	RC PIPE (CL III)(24 IN) DOLLARS and CENTS	LF	48.000	55

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	ITEM NO	DESC CODE	S.P. NO.				
	465	2005	001	MANH (COMPL)(TY M) DOLLARS CENTS and	EA	1.000	56
	467	2222		SET (TY II)(18 IN)(RCP)(4:1)(C) DOLLARS CENTS and	EA	1.000	57
	467	2224		SET (TY II)(24 IN)(RCP)(4:1)(C) DOLLARS CENTS and	EA	2.000	58
	467	2236		SET (TY II)(24 IN)(RCP)(6:1)(C) DOLLARS CENTS and	EA	1.000	59
	467	2285		SET (TY II)(15 IN)(RCP)(6:1)(P) DOLLARS CENTS and	EA	2.000	60
	467	2286		SET (TY II)(18 IN)(RCP)(6:1)(P) DOLLARS CENTS and	EA	8.000	61
	474	2005		SLOT DRAIN (GAL STL)(18 IN) DOLLARS CENTS and	LF	20.000	62
	474	2006		SLOT DRAIN OUTFALL (GAL STL)(18 IN) DOLLARS CENTS and	LF	4.000	63
	480	2001		CLEAN EXIST CULVS DOLLARS CENTS and	EA	1.000	64
	496	2004		REMOV STR (SET) DOLLARS CENTS and	EA	2.000	65
	496	2007		REMOV STR (PIPE) DOLLARS CENTS and	LF	240.000	66

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	ITEM NO	DESC CODE	S.P. NO.				
	496	2012		REMOV STR (BRIDGE 1000 FT OR GREATER) DOLLARS and CENTS	EA	1.000	67
	496	2082		REMOVE STRUCTURES (FENDER) DOLLARS and CENTS	EA	1.000	68
	500	2001	005	MOBILIZATION DOLLARS and CENTS	LS	1.000	69
	502	2001	055	BARRICADES, SIGNS AND TRAFFIC HAN- DLING DOLLARS and CENTS	MO	45.000	70
	502	2047	055	OFF-DUTY POLICE OFFICER DOLLARS and CENTS	HR	80.000	71
	506	2017	011	CONSTRUCTION EXITS (INSTALL) (TY 2) DOLLARS and CENTS	SY	156.000	72
	506	2019	011	CONSTRUCTION EXITS (REMOVE) DOLLARS and CENTS	SY	156.000	73
	508	2002		CONSTRUCTING DETOURS DOLLARS and CENTS	SY	4,788.000	74
	512	2004	002	PORT CTB (FUR & INST)(SNGL SLP)(TY 1) DOLLARS and CENTS	LF	12,720.000	75
	512	2022	002	PORT CTB (MOVE)(SNGL SLP) (TY 1) DOLLARS and CENTS	LF	4,200.000	76

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	ITEM NO	DESC CODE	S.P. NO.				
	512	2040	002	PORT CTB (REMOVE)(SNGL SLP) (TY 1) DOLLARS and CENTS	LF	12,720.000	77
	514	2004	002	PERM CONC TRF BARR (SGL SLP)(TY 1)(42") DOLLARS and CENTS	LF	10,655.000	78
	514	2022	002	PERM CONC TRF BARR (SGL SLP)(TY 4)(42") DOLLARS and CENTS	LF	510.000	79
	530	2008		DRIVEWAYS (ACP) DOLLARS and CENTS	EA	2.000	80
	530	2011		DRIVEWAYS (ACP) DOLLARS and CENTS	SY	1,240.000	81
	530	2017		TURNOUTS (ACP) DOLLARS and CENTS	SY	1,020.000	82
	540	2011	023	MTL BEAM GD FEN TRANS (THRIE-BEAM) DOLLARS and CENTS	EA	4.000	83
	542	2001		REMOVING METAL BEAM GUARD FENCE DOLLARS and CENTS	LF	1,475.000	84
	544	2003	001	GUARDRAIL END TREATMENT (REMOVE) DOLLARS and CENTS	EA	3.000	85
	544	2005	001	GDRAIL END TRT(INST)(WOOD POST)(TY II) DOLLARS and CENTS	EA	1.000	86
	545	2049		CRASH CUSH ATTEN (INSTL)(WORK ZONE) DOLLARS and CENTS	EA	8.000	87

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	ITEM NO	DESC CODE	S.P. NO.				
	545	2050		CRASH CUSH ATTEN(MOV&RESET)(WORK ZONE) DOLLARS CENTS and	EA	1.000	88
	545	2051		CRASH CUSH ATTEN (REMOVE)(WORK ZONE) DOLLARS CENTS and	EA	9.000	89
	545	2058		CRASH CUSH ATTEN (INSTL) (N) DOLLARS CENTS and	EA	4.000	90
	545	2059		CRASH CUSH ATTEN (MOVE & RESET) (N) DOLLARS CENTS and	EA	6.000	91
	545	2060		CRASH CUSH ATTEN (REMOVE) (N) DOLLARS CENTS and	EA	1.000	92
	610	2025	010	INS RD IL AM (TY SA) 40T-8 (.25 KW)S DOLLARS CENTS and	EA	8.000	93
	610	2042	010	INS RD IL AM (TY SA) 50T-8 (.4 KW)S DOLLARS CENTS and	EA	6.000	94
	610	2045	010	INS RD IL AM (TY SP) 38S-8-8 (.25 KW)S DOLLARS CENTS and	EA	18.000	95
	610	2072	010	REMOVE RDWY ILL ASSEM DOLLARS CENTS and	EA	1.000	96
	617	2004	001	TEMP RD IL (RD IL ASM) DOLLARS CENTS and	EA	2.000	97

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	ITEM NO	DESC CODE	S.P. NO.				
	618	2018		CONDT (PVC) (SCHD 40) (2") DOLLARS and CENTS	LF	28,650.000	98
	618	2019		CONDT (PVC) (SCHD 40) (2") (BORE) DOLLARS and CENTS	LF	385.000	99
	618	2022		CONDT (PVC) (SCHD 40) (3") DOLLARS and CENTS	LF	10.000	100
	620	2003	001	ELEC CONDR (NO. 2) BARE DOLLARS and CENTS	LF	5,140.000	101
	620	2004	001	ELEC CONDR (NO. 2) INSULATED DOLLARS and CENTS	LF	20,560.000	102
	620	2011	001	ELEC CONDR (NO. 8) BARE DOLLARS and CENTS	LF	3,075.000	103
	620	2012	001	ELEC CONDR (NO. 8) INSULATED DOLLARS and CENTS	LF	6,810.000	104
	624	2008	014	GROUND BOX TY A (122311) W/APRON DOLLARS and CENTS	EA	6.000	105
	628	2158	001	REMOVE ELECTRICAL SERVICES DOLLARS and CENTS	EA	1.000	106
	628	2177	001	ELC SRV TY A 240/480 100 (NS)SS(E)GC(O) DOLLARS and CENTS	EA	1.000	107
	628	2220	001	ELC SRV TY A 240/480 100 (NS)SS(E)GC(U) DOLLARS and CENTS	EA	1.000	108

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	636	2001	014	ALUMINUM SIGNS (TY A) DOLLARS and CENTS	SF	27.000	109
	644	2022		INS SM RD SN SUP&AM TY S80(1) SA(P) DOLLARS and CENTS	EA	33.000	110
	644	2025		INS SM RD SN SUP&AM TY S80(1) SA(T) DOLLARS and CENTS	EA	13.000	111
	644	2026		INS SM RD SN SUP&AM TY S80(1)SA(T-2EXT) DOLLARS and CENTS	EA	4.000	112
	644	2042		INS SM RD SN SUP&AM TY S80(2) SA(P) DOLLARS and CENTS	EA	1.000	113
	644	2058		RELOCATE SM RD SN SUP & AM TY S80 DOLLARS and CENTS	EA	64.000	114
	644	2060		REMOVE SM RD SN SUP & AM DOLLARS and CENTS	EA	64.000	115
	644	2063		INS SM RD SN SUP&AM (RAIL MOUNT) DOLLARS and CENTS	EA	5.000	116
	658	2240	006	INSTL DEL ASSM (D-SW)SZ 1(FLX)GF2 DOLLARS and CENTS	EA	2.000	117
	658	2258	006	INSTL DEL ASSM (D-SW)SZ (TYC)CTB DOLLARS and CENTS	EA	227.000	118
	658	2278	006	INSTL DEL ASSM (D-SY)SZ (TYC)CTB(BI) DOLLARS and CENTS	EA	112.000	119

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	ITEM NO	DESC CODE	S.P. NO.				
	658	2316	006	INSTL OM ASSM (OM-2Z)(FLX)GND DOLLARS and CENTS	EA	5.000	120
	662	2001		WK ZN PAV MRK NON-REMOV (W) 4" (BRK) DOLLARS and CENTS	LF	169.000	121
	662	2012		WK ZN PAV MRK NON-REMOV (W) 8" (SLD) DOLLARS and CENTS	LF	1,993.000	122
	662	2032		WK ZN PAV MRK NON-REMOV (Y) 4" (SLD) DOLLARS and CENTS	LF	9,952.000	123
	662	2052		WK ZN PAV MRK REMOV (REFL) TY I-C DOLLARS and CENTS	EA	2,185.000	124
	662	2054		WK ZN PAV MRK REMOV (REFL) TY II-A-A DOLLARS and CENTS	EA	2,220.000	125
	662	2060		WK ZN PAV MRK REMOV (TRAF BTN) TY W DOLLARS and CENTS	EA	6,556.000	126
	662	2062		WK ZN PAV MRK REMOV (TRAF BTN) TY Y DOLLARS and CENTS	EA	6,660.000	127
	662	2070		WK ZN PAV MRK REMOV (W) 6" (LNDP) DOLLARS and CENTS	LF	60.000	128
	662	2079		WK ZN PAV MRK REMOV (W) 24" (SLD) DOLLARS and CENTS	LF	36.000	129
	662	2104		WK ZN PAV MRK REMOV (Y) 12" (SLD) DOLLARS and CENTS	LF	240.000	130

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	ITEM NO	DESC CODE	S.P. NO.				
	662	2113		WK ZN PAV MRK SHT TERM (TAB) TY W DOLLARS and CENTS	EA	1,483.000	131
	662	2115		WK ZN PAV MRK SHT TERM (TAB) TY Y-2 DOLLARS and CENTS	EA	2,165.000	132
	666	2035		REFL PAV MRK TY I (W) 8" (SLD)(090MIL) DOLLARS and CENTS	LF	5,315.000	133
	668	2100		PREFAB PAV MRK TY C (W) (8") (LNDP) DOLLARS and CENTS	LF	136.000	134
	668	2105		PREFAB PAV MRK TY C (W) (24") (SLD) DOLLARS and CENTS	LF	48.000	135
	668	2106		PREFAB PAV MRK TY C (W) (ARROW) DOLLARS and CENTS	EA	13.000	136
	668	2116		PREFAB PAV MRK TY C (W) (WORD) DOLLARS and CENTS	EA	13.000	137
	668	2128		PREFAB PAV MRK TY C (Y) (24") (SLD) DOLLARS and CENTS	LF	3,272.000	138
	672	2012	034	REFL PAV MRKR TY I-C DOLLARS and CENTS	EA	557.000	139
	672	2015	034	REFL PAV MRKR TY II-A-A DOLLARS and CENTS	EA	918.000	140
	677	2001		ELIM EXT PAV MRK & MRKS (4") DOLLARS and CENTS	LF	32,098.000	141

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	ITEM NO	DESC CODE	S.P. NO.				
	677	2003		ELIM EXT PAV MRK & MRKS (8") DOLLARS and CENTS	LF	6,471.000	142
	677	2007		ELIM EXT PAV MRK & MRKS (24") DOLLARS and CENTS	LF	909.000	143
	682	2025	001	VEH SIG SEC (12 IN) LED (YEL) DOLLARS and CENTS	EA	4.000	144
	682	2027	001	VEH SIG SEC (12 IN) LED (RED) DOLLARS and CENTS	EA	2.000	145
	685	2003	025	REMOVE RDSD FLASH BEACON ASSEMBLY DOLLARS and CENTS	EA	3.000	146
	685	2004	025	INSTL RDSD FLSH BEACON ASSM(SOLAR PWRD) DOLLARS and CENTS	EA	3.000	147
	730	2002		FULL-WIDTH MOWING DOLLARS and CENTS	AC	7.990	148
	4574	2001		PRESTRESSED CONCRETE PILING (54 IN CYL) DOLLARS and CENTS	LF	49,149.000	149
	4574	2002		PRESTRESSED CONCRETE PILING (66 IN CYL) DOLLARS and CENTS	LF	1,442.000	150
	4575	2001		UHMW-PE FENDER PADS (2 1/4 IN) DOLLARS and CENTS	SF	1,900.000	151

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	ITEM NO	DESC CODE	S.P. NO.				
	4576	2001		STEEL PIPE PILING (24 IN DIA X 1/2 IN) DOLLARS and CENTS	LF	4,000.000	152
	4580	2001		CONSTRUCTION ACCESS DOLLARS and CENTS	LS	1.000	153
	4586	2001		DYNAMIC PILE MONITORING DOLLARS and CENTS	EA	34.000	154
	4586	2002		DYNAMIC ANALYSIS DOLLARS and CENTS	EA	34.000	155
	5049	2002		BIODGRD EROSION CONTROL LOGS (18" DIA) DOLLARS and CENTS	LF	7,156.000	156
	5049	2003		BIODGRD EROSION CONTROL LOGS (12" DIA) DOLLARS and CENTS	LF	2,349.000	157
	5261	2001		GEOGRID REINFORCEMENT (TY I) DOLLARS and CENTS	SY	17,960.000	158
	5430	2001		FLOATING TURBIDITY BARRIER DOLLARS and CENTS	LF	3,600.000	159
	6473	2001	001	MULTIPOLYMER PAV MRK (W)(4")(SLD) DOLLARS and CENTS	LF	22,020.000	160
	6473	2002	001	MULTIPOLYMER PAV MRK (W)(4")(BRK) DOLLARS and CENTS	LF	4,816.000	161

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	6473	2007	001	MULTIPOLYMER PAV MRK (W)(8")(SLD) DOLLARS and CENTS	LF	330.000	162
	6473	2011	001	MULTIPOLYMER PAV MRK (Y)(4")(SLD) DOLLARS and CENTS	LF	22,020.000	163
	6473	2025	001	MULTIPOLYMER PAV MRK (W)(ARROW) DOLLARS and CENTS	EA	1.000	164
	6473	2026	001	MULTIPOLYMER PAV MRK (W)(WORD) DOLLARS and CENTS	EA	1.000	165
	6834	2001		PORTABLE CHANGEABLE MESSAGE SIGN DOLLARS and CENTS	DAY	800.000	166
	8251	2002	005	RE PM W/RET REQ TY I(W)4"(BRK)(090MIL) DOLLARS and CENTS	LF	645.000	167
	8251	2005	005	RE PM W/RET REQ TY I(W)4"(SLD)(090MIL) DOLLARS and CENTS	LF	12,659.000	168
	8251	2014	005	RE PM W/RET REQ TY I(Y)4"(BRK)(090MIL) DOLLARS and CENTS	LF	58.000	169
	8251	2017	005	RE PM W/RET REQ TY I(Y)4"(SLD)(090MIL) DOLLARS and CENTS	LF	18,409.000	170
	8705	2001		SOLAR-POWERED NAVIGATIONAL LIGHT- ING SYS DOLLARS and CENTS	LS	1.000	171

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GENERAL NOTES:

General Notes

Find, for your information and convenience, tools such as forms, software, materials, and various other information provided by the Department at <http://www.dot.state.tx.us/business/>. Please note that these tools are updated periodically and your attention is directed to the latest edition.

In the event of a called evacuation, emergencies, impending adverse weather or as directed, do not perform any work without written authorization. The District reserves the right to suspend all work in support of evacuations or emergencies occurring from other parts of the state. Any work performed, other than work directed by the Department, is unauthorized work in accordance with Item 5.

Sweep, clean and remove any construction waste, surplus materials or debris from the roadway and right of way at the end of each day unless otherwise approved. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

The asphalt season for the placement of asphalt surface courses is March 15 to November 15 unless otherwise approved.

Cut existing pavement using a saw or other approved method to ensure a neat transverse and/or longitudinal line to assure a smooth tie-in with new pavement. Cut to a minimum depth of the final lift thickness. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Promptly pick up and properly dispose of paper and other materials used for pavement joints.

Stencil the National Bridge Inventory (NBI) number on each bridge and bridge class culvert. Use 3" letters or numbers. Use stain and color as approved. Paint will not be permitted. Locate the NBI number on the outside beam immediately adjacent to the abutment on the downstream end, on the outside headwall upper right-hand corner, or as directed. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

All pavement markings shall be in accordance with the latest edition of Texas MUTCD.

This project will have a US Coast Guard Bridge Permit. The following requirements apply:

1. Do not deviate from the approved plans without approval from the Commander, Eighth Coast Guard District.

2. Obtain approval from the USCG District Commander prior to implementation of construction of false-work, cofferdams or other obstructions.
3. Conduct all work in a manner that does not impede navigation or impair the depths of the channel.
4. Notify the USCG District Commander of any and all events affecting navigation during construction in a timely manner.
5. Promptly clear the channel of all obstructions due to construction as deemed necessary by the USCG District Commander.
6. Remove in their entirety, all parts of the Fender System not utilized in the completed system, for the bridge across the Copano Bay, mile 0.0, west of Harvey Lock. The waterway shall be cleared to the satisfaction of the USCG District Commander.

Notify the USCG District Commander three (3) weeks prior to beginning work. Submit a construction plan for approval, containing a description of the equipment, such as barges and tugs that may occupy the waterway, and how they may affect navigation, and a detailed work schedule.

Operate all water-going vessels, barges, etc. in accordance with USCG regulations.

The U.S. Corps of Engineers Notice to Proceed permit number for this project is SWG-2010-00887. TxDOT will not issue a Notice to Proceed until the USCG Bridge Permit is issued. TxDOT will ensure that the Contractor complies with all conditions of the USCG Bridge Permit..

Do not initiate activities in a project specific location (PSL) associated with a U.S. Army Corps of Engineers (USACE) permit area that have not been previously evaluated by the USACE as part of the permit review of this project. Such activities include, but are not limited to, haul roads, equipment staging areas, borrow and disposal sites. Associated defined here means materials are delivered to or from the PSL. The permit area includes all waters of the U.S. or associated wetlands affected by activities associated with this project. Special restrictions may be required for such work. Be responsible for any and all consultations with the USACE regarding ALL activities, including project specific locations (PSL) not YET evaluated by the USACE. Provide the department with a copy of all consultations or approvals from the USACE prior to initiating activities.

Proceed with activities in PSLs that do not affect a USACE permit area if the USACE determines that the PSL is non-jurisdictional or that the USACE granted proper clearance for the jurisdictional areas or as part of the permit review of this project, the USACE previously evaluated the PSL. Take sole responsibility for documenting any determinations that activities do not affect a USACE permit area. Maintain copies of determinations for review by the department or any regulatory agency.

Document and coordinate with the USACE, if required, prior to any excavation hauled from or embankment hauled into a USACE permit area by either (1) or (2) below.

(1) Restricted Use of Materials for the Previously Evaluated Permit Areas.

Document both the project specific location (PSL) and their authorization. Maintain copies for review by the department or any regulatory agency. When an area within the project limits has been evaluated by the USACE as part of the permit process for this project:

- a. Suitable excavation of required material in the areas shown on the plans and cross sections as specified in Item 110 is used for permanent or temporary fill (Item 132, Embankment) within a USACE permit area;
- b. Suitable embankment (Item 132) from within the USACE permit area is used as fill within a USACE evaluated area; and,
- c. Unsuitable excavation or excess excavation ["Waste"] (Item 110) that is disposed of at a location approved by the Engineer within a USACE evaluated area.

(2) Contractor Materials from Areas Other than Previously Evaluated Areas.

Provide the department with a copy of all USACE coordination or approvals prior to initiating any activities for an area within the project limits that has not been evaluated by the USACE or for any off right of way locations used for the following, but not limited to, haul roads, equipment staging areas, borrow and disposal sites:

- a. Item 132, Embankment, used for temporary or permanent fill within a USACE permit area; and,
- b. Unsuitable excavation or excess excavation ["Waste"] (Item 110, Excavation) that is disposed of outside a USACE evaluated area.

This project requires permits with environmental resource agencies. There is a high probability of encountering environmentally sensitive areas on Contractor designated project specific locations (PSL) for this project (haul roads, equipment staging areas, borrow pits, disposal sites, field offices, storage areas, parking areas, etc.). Listings of regulatory agencies the Contractor may need to contact for this project are provided herein. Environmental issues and PSL coordination requirements will be addressed in permits.

The locations of the underground utility installations are unknown. Confirm the location of any installations which may exist. Assume full responsibility of the notification to the utility involved in case of conflict or damage and be responsible for damage that occurs due to negligence. This work is subsidiary to the various bid items of the contract.

Assume ownership for all designated waste material and dispose of it at a place off of the right of way, as approved by the Engineer.

For the purposes of satisfying requirements set forth by the U.S. Army Corps of Engineers Permit No. SWG-2010-00887 the contractor performing work on behalf of TxDOT will be referred to as the permittee. As part of the requirements under SWG-2010-00887, the permittee shall collect and relocate oyster reef permanently impacted during bridge pile construction. TxDOT has estimated approximately 1,660 cubic yards of oyster reef material will be relocated as a result of the bridge pile construction. The permittee will be required to clean the collected oyster reef material of sediment and debris prior to the material relocation. The permittee shall relocate collected oyster reef material to a previously approved oyster reef restoration site in Copano Bay authorized under the Harte Research Institute permit SWG-2010-00246. The permittee will coordinate all efforts with TxDOT during collection and relocation to ensure requirements under Permit SWG-2010-00887 are completed. The permittee shall not deposit collected oyster reef material until the permittee has received GPS coordinates (latitude/longitude) from TxDOT. Based on data from NMFS and the Harte Research Institute, the relocation site is within three miles from the current bridge location in varying depths of water from two to four feet. The relocated oyster reef will be placed to construct a 3-dimensional reef complex with high vertical relief to enhance habitat and protect an eroding shoreline while minimizing sedimentation. Because complex reef structures provide habitat for numerous fish and invertebrate species, the permittee will construct the reef as a series of reef ridges where "hills and valleys" are required design parameters. The permittee shall use silt curtains during construction around oyster reefs to minimize sedimentation in the surrounding water column.

ITEM 2

It is recommended that prospective bidders examine the specified work locations with the Engineer to view the nature of the work, the need for close coordination with the various utilities, traffic control considerations, and other factors influencing the prosecution of the work.

ITEM 5

Field verify all dimensions and notify Engineer prior to initiating any work.

Verify the locations of utilities, underground or overhead, shown within the limits of the right-of-way. Adhere to OSHA Standards when working within the vicinity of overhead power lines. Coordinate with the utility companies and notify the Engineer of any possible conflicts. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Notify the Engineer immediately of utility conflicts in accordance with Item 5.5.B. Refer to Item 4.3 for consideration of differing site conditions.

Prospective bidders may borrow reproducible earthwork cross-sections from the Area Engineer's office for making copies with a minimum twenty-four (24) hour notice. The responsibility for the construction surveying on this contract will be in accordance with Item 5.6.A, "Method A".

Provide safe access to the construction work areas, including vessel transportation (if necessary) to and from the mainland as requested by the Engineer, for the Engineer and inspector to observe and inspect the work. Provide platform or work barge to allow inspection of works at bents in Copano Bay.

ITEM 7

The work performed for Item 7.7, "Public Safety and Convenience" will not be measured or paid for directly, but will be subsidiary to pertinent Items.

When working at street, farm-to-market, state highway, and county road intersections, schedule work to minimize intersection closures. During nonworking hours, all public road intersections will be open to the traveling public.

The total disturbed area for this project is 8 acres. The disturbed area in this project, all project locations in the Contract, and Contractor project specific locations (PSLs), within 1 mile of the project limits, for the Contract will further establish the authorization requirements for storm water discharges. The Department will obtain an authorization to discharge storm water from the Texas Commission on Environmental Quality (TCEQ) for the construction activities shown on the plans. The Contractor is to obtain any required authorization from the TCEQ for any Contractor PSLs for construction support activities on or off ROW. When the total area disturbed for all projects in the Contract and PSLs within 1 mile of the project limits exceeds 5 acres, provide a copy of the Contractor NOI for PSLs on the ROW to the Engineer.

Establish uniform perennial vegetative coverage with a density of at least 70% of the native background vegetative cover to achieve final stabilization.

Comply with the Texas Aggregate Quarry and Pit Safety Act for waste areas or material source areas resulting from this project.

ITEM 8

Prepare the progress schedule using the Critical Path Method (CPM). Submit (2) two 11" x 17" hard copies and an electronic file of the original or updated progress schedule. Submit the original progress schedule seven (7) days before the Preconstruction Conference.

Submit an updated progress schedule as directed to show proposed major changes, changes affecting compliance with the contract requirements, or changes affecting the critical path/controlling item of work.

Working days will be computed and charged in accordance with Article 8.3.A.1, "Five-Day Workweek".

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Work above traffic is not allowed.

Lane closures are not permitted Monday through Friday before 8 AM or after 5 PM unless approved.

For this project, the earliest start work date will be November 14, 2011.

ITEM 9

Submit the approved forms to request compensation for material-on-hand (MOH) at least three (3) working days prior to the end of the month. Include any requests from subcontractors, suppliers, or fabricators.

ITEM 100

Coordinate all right of way preparation activities with the project's Storm Water Pollution Prevention Plan (SWP3) and Environmental Permit Issues, and Commitments Sheet (EPIC) or as approved.

Prepare the right of way from STA 435+00(A) to STA 446+80(A), STA 556+90(A) to STA 564+60.16(A) = STA 1+30.59 (A) and STA 1+30.59(A) to STA 4+70.43(A). Remove and dispose of all obstructions shown and not specifically shown in the plans.

Prune trees and shrubs as directed. Use accepted pruning practices in accordance with Item 192 and as defined by the National Arborist Association. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 110

For earth cuts, manipulate and compact subgrade in accordance with Item 132.3.D.2, "Compaction Methods, Density Control".

ITEM 132

Use embankment material with a plasticity index (PI) ranging from 10 to 40. Blend or treat approved materials to achieve the desired PI and pulverize the material so that 100% passes the 3 inch sieve. Retest materials as borrow sources change or when the material changes significantly. Notify the Engineer of the proposed material sources and of changes to material sources. The Engineer may sample and test project materials at any time before compaction

throughout the duration of the project to assure specification compliance. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Obtain approval to incorporate existing salvaged asphaltic surface and flexible base materials in the surface layer. If approved, incorporate existing materials no larger than 2 inches in the surface layer. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

The estimated quantities for embankments adjacent to culverts and bridges were calculated using the average-end-area method.

ITEM 134

Backfill pavement edges with reclaimable asphalt material (R.A.P.).

Use backfill material with a plasticity index (PI) ranging from 15 to 35. Notify the Engineer of the proposed material sources and of changes to material sources. The Engineer may sample and test project materials at any time before compaction throughout the duration of the project to assure specification compliance.

Windrow the existing topsoil and grass along the edge of the grading operations or as directed. After grading operations are completed, spread the topsoil and grass uniformly on all slopes and ditch lines. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Manipulate and compact backfill material in accordance with Item 132.3.D.1, "Ordinary Compaction". The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 162

Furnish and place Bermuda block sod.

ITEM 164

Restore and seed areas not shown in the plans disturbed by the Contractor's operations. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

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Notify the Engineer of the unavailability of any seed mix. Make changes to the seed mix as approved.

Use a tacking agent of 50% SS-1 and 50% water and apply the agent at a rate of 0.10 gal/sy or as directed. A biodegradable tacking agent may be used in lieu of the SS-1 tacking agent in accordance with the manufacturer's recommendations when approved. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 166

Fertilize all areas of the project to be seeded or sodded.

Furnish and apply fertilizer with analysis of 16-8-8 at a rate of 375 bulk pounds per acre.

ITEM 168

Distribute water to only those areas shown in the plans or as directed. Excessive overspray will not be permitted.

Water all areas of the project to be seeded or sodded every two (2) days for 90 days or as directed. Apply water in a manner to ensure adequate moisture but not to erode the soil in-place. During periods of adequate moisture, mechanical watering may not be required as approved. Upon final stabilization, the Engineer may require to continue watering as specified for a period not to exceed 30 days.

The Basis of Estimate below establishes the approximate quantity of water required to complete the 90-day watering cycle:

Water Required to Complete the 90-day Watering Cycle

Rate (inch / week)	Water (Gal / Acre / Month)	Area (Acre)	Total Gallons (Gal / Acre / 3 Months)
0.25	26,000	1	78,000

ITEM 247

The Engineer may accept material during stockpile operations, from completed stockpiles, or windrows. The Engineer will select any of these locations or any combination thereof with the provision that at least one out of ten consecutive samples will be taken at the project site.

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When requested, stake with blue tops, at 100-foot intervals, the lines and grade shown in the plans.

Conform to the following flexible base (TY D GR 4) requirements:

Table 1. Material Requirements

Percent Retained on each Sieve						Soil Constants			Wet Ball Mill Max
2"	1-1/4"	7/8"	1/2"	#4	#40	LL Max	PI Max	PI Min	
0	--	--	20-60	40-75	60-85	--	10	--	*45

*The maximum increase in material passing the No. 40 sieve is not to exceed 20.

For Table 1, "Material Requirements" there is no minimum plasticity index (PI) required for TY D, GR 4 material.

Type D material consists of crushed stone produced and graded from oversize quarried aggregate that originates from a single, naturally occurring source.

For this project Test Method Tex-117-E shall conform to the following minimum compressive strength requirements:

Lateral Pressure	Triaxial Strength
15 psi	175 psi

If the contractor elects to use crushed concrete, it shall be stabilized with 3% cement by weight. This cement will not be paid for directly but will be considered subsidiary.

ITEM 275

Cement and/or asphalt stabilized base may be encountered in the existing pavement structure. Pulverize or scarify the existing material after shaping so that 100% passes a 2-1/2 inch sieve.

Use a mechanical mixer to mix the cement with the existing base material.

Prime flexible base by applying a bituminous material at the rates of application shown for Item 310, "Prime Coat".

ITEM 302

Provide aggregates with a minimum surface aggregate classification (SAC) of “B” unless otherwise shown. The SAC for sources on the Department’s Aggregate Quality Monitoring Program (AQMP) is listed in the Department’s Bituminous Rated Source Quality Catalogue (BRSQC). SAC requirements apply to aggregates used on all final roadway surfaces, including shoulders.

Precoated aggregate Type PB consists of crushed slag, crushed stone, or limestone rock asphalt (LRA).

When using asphalt emulsion, use a precoat material for the aggregates as approved.

ITEM 310

Use MC-30 or SS-1 at a rate of 0.20 gallons per square yard or as directed.

Use SS-1 at the rate of 0.20 gallons per square yard per inch or as directed. Use a mixture of 10% SS-1 and 90% water and work the mixture into the top 2 inches of the flexible base surface. The water will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 316

Clean aggregates showing signs of excessive dust from the stockpile or while handling during construction. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Do not place surface treatment on exposed concrete structures unless directed.

Furnish a distributor equipped with a hand hose in working condition.

Material rates shown are for estimating purposes only. Adjust actual rates based on the material used, the existing condition and type of roadway surface, and as approved. When using asphalt emulsion, a minimum 24-hour curing period is required before placing any subsequent asphalt courses.

Stockpiling of aggregates may begin after the execution of the Authorization to Begin Work or issuance of the work order.

Remove vegetation and blade pavement edges prior to surfacing operations. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

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Broom and clean sealed sections of roadway and all adjacent paved surfaces, including the gutter line, of any surplus aggregate before opening to traffic or as directed.

ITEM 320

Provide the type of windrow pick-up equipment for approval prior to beginning paving operations.

Use of motor grader will not be permitted unless approved.

ITEM 341

Provide aggregates with a minimum surface aggregate classification (SAC) of "B" unless otherwise shown. SAC requirements apply to aggregates used on all final roadway surfaces, including shoulders.

As per special provision 341-024, use of Contractor-owned RAP including HMA plant waste will be permitted.

Department-owned RAP generated through required work on the Contract is available for the Contractor's use.

Any RAP remaining from the contract is to remain with the Contractor.

Use crushed gravel screenings with or in lieu of stone screenings.

Use a cut-off chute when placing hot-mix asphalt on narrow width locations unless approved.

The laboratory-molded density for this project will be 97% in accordance with test method TEX-207-F for the Types B, C and D HMA.

Construct longitudinal joints with a joint maker providing a maximum one (1) inch vertical edge (1/2 inch desirable) with an adjacent 6:1 taper. Construct the outside edge with a 6:1 taper or backfill within the same day.

ITEM 400

Compact each layer to meet the density and consolidation of the adjacent undisturbed material.

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Use cement-stabilized backfill for culvert and storm drains located beneath the pavement structure.

ITEM 409

Use Class "H" (HPC). All pilings shall be sulfate resistant and include 3 gals/cy of calcium nitrite corrosion inhibitor.

Jetting piling to reach plan penetration will not be allowed.

ITEM 420

Set a Department-furnished brass disk on all bridge abutments and culvert headwalls as directed. The work performed will not be measured or paid directly, but will be subsidiary to pertinent Items.

Promptly apply an ordinary surface finish to all concrete surfaces once meeting curing requirements.

Mass concrete will be a plans quantity item.

Place longitudinal construction joints at the lane line for bridge approach slabs. These construction joints will be subsidiary to Item 420.

ITEM 421

Provide strength-testing equipment in accordance with the Contract controlling test(s).

Furnish curing facilities adequately sized for this project as approved.

Furnish test molds for cylindrical concrete specimens as required in ASTM C31.

No air entrainment in concrete is required.

Use Class C (HPC) on the following concrete elements:

- (1) Bridge bents
- (2) Bridge abutments
- (3) Bridge footings

Use Class S (HPC) on the following concrete element:

- (1) Bridge slab

Use Class H (HPC) on the following concrete element:

- (1) Bridge beams

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Provide sulfate-resistant concrete for the following concrete elements:

(1) Bridge footings

Include 2 gals/cy of concrete of calcium nitrite corrosion inhibitor in the beams.

ITEM 422

Permanent metal deck forms (PMDf) are not allowed.

ITEM 423

Furnish and install pipe underdrains for all retaining walls. Include the details and manufacturer, the limits and dimensions, the outfall location, and all details necessary to incorporate the underdrain system in the working drawings. The work performed for the underdrain system within the limits of the retaining wall will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Place the select and embankment backfill to the same elevation where possible. Do not exceed a 2 feet difference in elevation at any time.

ITEM 427

Provide a rub finish for Surface Area II unless otherwise directed.

ITEM 432

Saw cut the existing riprap to ensure a neat transverse and/or longitudinal line to assure a smooth tie-in with new riprap. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Use Cap Option C for the joint between the face of the abutment and riprap as shown on the standard sheet "Concrete Riprap (CRR)".

Reinforce concrete riprap with 4 x 4 – W2.9 x W2.9 welded wire fabric or with No. 3 reinforcing bars spaced at a maximum of 12 inch in each direction.

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ITEM 440

All reinforcing steel in the bridge girders and Prestressed Concrete Panels shall be plain. All reinforcing steel in the bridge deck and bridge rail shall be epoxy coated.

All reinforcing steel in the piling shall be plain. All other reinforcing steel in the bridge substructure shall be epoxy coated or stainless, as specified in the Plans.

ITEM 464

The work performed for concrete collars will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Use cold-applied, plastic asphalt sewer joint compound for all joints. Provide sandproof tape for all pipe placed in cohesionless backfill material as approved, or provide gaskets that conform to Item 464.2.I.3.

ITEM 465

The work performed for concrete collars will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Shape and route floor inverts passing through the manhole or inlet with Class "B" concrete. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Precast tops will not be permitted unless approved.

ITEM 467

Place safety end treatments with a uniform slope.

Reinforce concrete riprap with 4 x 4 – W2.9 x W2.9 welded wire fabric or with No. 3 reinforcing bars spaced at a maximum of 12 inch in each direction.

The work performed for concrete collars will not be measured or paid for directly, but will be subsidiary to pertinent Items.

The use of precast Type II safety end treatments with integrally cast riprap aprons is allowed as approved. All safety end treatments shall include riprap to the dimensions shown on PSET-RR. This riprap shall be subsidiary to Item 467.

ITEM 496

The structure(s) to be removed have surface coatings which may contain hazardous materials. Provide for the safety and health of employees and abide by all OSHA Standards and Regulations.

Removal of the existing bridge by blasting will not be permitted.

Coordinate and identify the locations where the structure(s) will be cut at least 30 days prior to the demolition of the structure(s). If the surface coatings contain hazardous materials, the Department will arrange by separate Contract for the removal of a 4 inch wide strip around bearing attachments, at the anchor bolts, and as approved. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Notify the Engineer no later than 20 calendar days prior to the demolition of the structure(s) for coordination with the Texas Department of State Health Services.

Provide for approval a method of removal to prevent any materials from falling into water or traffic. The method used and work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Disassemble, deliver and neatly stack all salvageable materials, except metal rail elements, at 1401 FM 3036 Rockport, TX 78382. All metal rail elements are to be salvaged and stockpiled at the East Nueces Maintenance Yard located at 844 S. Padre Island Dr. Corpus Christi, TX 78406. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

The bridge to be removed has asbestos containing materials (ACM) as indicated in the Plans. The Department will arrange for a separate contract to collect and dispose of the noted ACM. The asbestos removal contract will run concurrently with this contract and close coordination will be required. Follow the specific demolition requirements below during demolition of the existing structure:

ACM Removal Site: Designate or provide a separate site for temporary storage of concrete elements with ACM. The site should be on land and should be adequately fenced with a locking gate. Store all concrete elements containing ACM at this site until the ACM have been removed. Store the concrete elements in a manner that leaves the ACM accessible for removal. This site will be used by the Department's asbestos contractor for asbestos removal. Provide all cranes or other equipment necessary to move the concrete elements within this site. The asbestos contractor will not be required to relocate any elements.

Railing: Notify the department at least four weeks before beginning railing removal. Remove the aluminum portion of the railing by unbolting it from the concrete parapet. Do not disturb or handle the Transite (containing asbestos) pads under the railing posts. The Department will arrange for collection and disposal of these pads.

Span/Bent Removal: The roofing felt between the spans and the top of the bent cap at the expansion bents contains asbestos as indicated. A list of the expansion bents is included in the plans. Lift the spans from the expansion bents in a manner that minimizes disturbance to the roofing felt. If any roofing felt stays attached to the span sections, transport them to the ACM Removal Site. If any of the felt stays on the bent caps, carefully remove the cap from its supports and transport the entire cap to the ACM Removal Site. If pieces of the felt fall into the water or on the ground during demolition operations, carefully collect them and transport them to the ACM Removal Site. Notify the Department when concrete elements have been placed in the ACM Removal Site.

Piling/Column Removal: Cut or break piling/columns as required by other Items but avoid disturbing the mastic. Transport piling or column sections with mastic on them to the ACM Removal Site. Not all of the piling or columns have the mastic.

Final Disposal: The Department will notify you when the ACM have been removed. ACM removal may be done incrementally or all at once depending on the space available at the removal site. Once the ACM have been removed, dispose of the remaining concrete elements as necessary.

ITEM 500

"Materials on Hand" payments are not considered when determining partial payments.

If a Hurricane Watch is issued for this area, begin removing all rigging including cables, scaffolding and secure all materials and equipment to locations agreeable to both parties. The contractor will not be allowed to mark-up any costs associated with these efforts but will be compensated at an "at cost" basis.

If a Hurricane Warning is issued for this area, remove all rigging including cables, scaffolding and equipment. Secure all barges and cranes to an area that is agreeable to both parties. The contractor will not be allowed to mark-up any costs associated with these efforts but will be compensated at an "at cost" basis.

ITEM 502

Furnish additional barricades, signs, and traffic handling as directed. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

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Traffic control for daytime lane closures shall be in accordance with applicable BC and TCP standard sheets.

When advanced warning flashing arrow panels are specified, furnish one (1) standby unit in good condition at the job site for immediate use.

The Contractor's Responsible Person (CRP) or his representative(s) shall be located within one hour of traveling time to the project site. The Contractor shall notify the Engineer in writing of the name, physical address, and telephone number of this employee or these employees. The Engineer shall furnish this information to local law enforcement officials.

Maintain traffic control devices by taking corrective action as soon as possible. Complete corrective action within 48 hours of written notification regardless of the day of the week involved unless otherwise directed.

Provide a positive means of communication between flaggers unless otherwise approved.

Attach stop/slow paddle to a staff with a minimum length of 6 feet to the bottom of the sign.

The use of a pilot vehicle in conjunction with flaggers will be permitted. If used, provide positive and unrestricted communication between the driver of the pilot vehicle and the flaggers. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 504

Apply for and secure permits necessary for the buildings, and pay all utility meter deposits and service bills. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Provide 2 sets of keys for all facilities, which include the field office and/or laboratory.

Maintain all mechanical, electrical and plumbing facilities at all times.

Provide one (1) Type C Structure (Field Office). This field office shall be for TxDOT use only and shall be a separate structure from the Contractor's facilities.

Furnish and install adequate equipment, outlets, lighting, air conditioning, heating and ventilation as approved. Arrange and install outlets as directed with no less than 1 outlet per wall. Portable toilets will not be allowed.

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Provide 2 standard size office desk, 4 office chairs, 1 drafting table(s), 1 drafting stool, 2 bookcases, and 2 filing cabinets as approved. Provide solar screens, blinds, or shades.

Provide janitorial services as needed.

Provide 1 phone line and 2 phones. Submit a copy of the monthly phone bill for review to monitor phone usage. A cell phone will not be allowed unless approved.

Provide a paper copier and facsimile.

Provide one (1) Type D Structure (Asphalt Mix Control Laboratory). This laboratory shall be for TxDOT use only and shall be a separate structure from the Contractor's facilities.

Furnish and install adequate equipment, outlets, lighting, air conditioning, heating and ventilation as approved. Arrange and install outlets as directed with no less than 1 outlet per wall. Portable toilets will not be allowed.

Provide 1 standard size office desk, 2 office chairs, 1 drafting table(s), 1 drafting stool, 1 bookcase, and 1 filing cabinet as approved. Provide solar screens, blinds, or shades.

Provide janitorial services as needed.

Provide 1 phone line and 1 phone. Submit a copy of the monthly phone bill for review to monitor phone usage. A cell phone will not be allowed unless approved.

Provide a paper copier and facsimile.

Provide hot water or a hot water dispenser capable of generating one (1) gallon of water at 140 degrees Fahrenheit with acceptable water pressure.

Use support blocks for stability and tied down portable structures according to applicable zoning requirements or as directed.

Provide Safety Equipment as follows:

- (1) ONE EYE WASH STATION
- (2) ONE FIRE EXTINGUISHER
- (3) ONE FIRST AID KIT

Provide doors with a minimum width of 36 inches and 80 inches in height. Secure all exterior openings with bars.

Provide electrical service for the asphalt content by Ignition Method.

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ITEM 506

Designate in writing a Contractor Responsible Person (CRP) for implementing, maintaining, and reviewing environmental requirements.

ITEM 512

Use a Type R joint when using Type 2 precast concrete traffic barriers.

ITEM 530

Replace existing driveways not shown on the plans when directed. The work performed will be measured or paid for by Item 530, "Driveways".

If conditions warrant, driveway locations, widths, or lengths may be adjusted as directed.

ITEM 540

Complete each location during the working day. No exposed bridge rail or guard fence ends will be permitted at the end of the working day or unattended during the working day.

Mixing of wood post types and shapes will not be permitted at the same location.

ITEM 542

Disassemble, deliver and neatly stack salvageable materials at 1401 FM 3036 Rockport, TX 78382. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 544

Drill an 18-inch pilot hole for post embedment.

The method of placing steel tubes in drilled holes is not permitted.

ITEM 585

Use Surface Test Type B and Pay Adjustment Schedule 1 to evaluate ride quality of the travel lanes in accordance with Item 585, "Ride Quality for Pavement Surfaces."

Use latest version of approved Ride Quality Software.

For QC Testing, provide inertial profiler results the same working day after paving.

For QA Testing, provide the Engineer the opportunity to witness the testing. Provide a seat for the Engineer in the test vehicle or arrange for the Engineer to follow the test vehicle if requested.

ITEM 610

For instructions on submitting shop drawings electronically go to TxDOT home page, Business with TxDOT, Bridge information, Shop drawings. File is titled: Guide to Electronic Shop Drawing Submittal.

ITEM 618

Seal all conduits terminating in ground boxes and pole foundations with a sealant made of polyurethane or equivalent that will cure in the presence of moisture. Ensure sealant is suitable for sealing ends with electrical conductor extending past the ends of the conduit. Inject the sealant a minimum of 3 inches and a maximum of 5 inches into the conduit.

Provide rigid metal conduit (RMC) elbows for all underground conduit bends of 45 degrees or more, including bends into ground boxes. Provide a polyvinyl chloride conduit (PVC) elbow in lieu of a RMC elbow for conduit 1 inch or larger. Ensure the elbow is the same schedule rating as the conduit to which it is connected.

Bond the RMC to the grounding conductor with grounding type bushings when the RMC is exposed or extends into the ground box.

Provide a flat, high tensile strength polyester fiber pull tape in each conduit to pull conductors.

Provide polymer concrete junction boxes for concrete traffic barrier. Do not use cast iron junction boxes in concrete traffic barriers and single slope traffic barriers. Use polymer concrete junction boxes instead of the cast iron junction boxes shown on standard sheets CTBI (3), CTBI (4), AND SSCB (4). Mount the junction boxes flush (+ 0", - 1/2") with concrete surface of concrete barrier. The work will not be measured or paid for directly, but will be subsidiary to pertinent Items.

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Provide wide sweep conduit elbows.

Jacking of conduit will not be permitted.

ITEM 620

Bond grounding conductors that share the same conduit, junction box, ground box, or structure together at every accessible point.

For both transformer and shoe-base type illumination poles, provide double-pole breakaway fuse holder as shown on the Texas Department of Transportation (TxDOT) materials producers list. Category is "Roadway Illumination and Electrical Supplies". Fuse holder is shown on list under Items 610 & 620. Provide 10 amp time delay fuses

ITEM 636

Disassemble, deliver and neatly stack salvageable materials at 1401 FM 3036 Rockport, TX 78382. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 644

Use crash worthy supports as shown on the BC sheets, the CWZTCD, or as directed for signs relocated using temporary supports. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Disassemble, deliver and neatly stack salvageable materials at 1401 FM 3036 Rockport, TX 78382. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

All set screws shall be galvanized.

ITEM 662

Use temporary flexible-reflective roadway marker tabs at the beginning and end of no passing zones as shown on the TCP (7-1)-98 for seal coats and WZ(STPM)-03 for hot mix overlays.

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ITEM 677

Eliminate all conflicting pavement markings as work progresses or as directed.

Use Method A for asphaltic pavements. Use a PB Grade 4 aggregate at an application rate of 1 cy/120 sy and asphalt AC-5, AC-10, CRS-2 or HFRS-2 at a application rate of 0.39 Gal/sy.

ITEM 685

Provide solar powered flasher controller assemblies capable of a 24-hr flash with dual indications.

The work to connect the flasher assemblies to the signal heads will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Provide single-pole breakaway disconnects. Use Bussman HEBW, Littlefuse LEB, Ferraz-Shawmut FEB, or equal on ungrounded conductors and grounded conductors. Ensure the disconnects have a white colored marking and a permanently installed solid neutral.

ITEM 687

Provide single-pole breakaway disconnects. Use Bussman HEBW, Littlefuse LEB, Ferraz-Shawmut FEB, or equal on ungrounded conductors and grounded conductors. Ensure the disconnects have a white colored marking and a permanently installed solid neutral.

ITEM 730

Provide full-width mowing for a period of 6 full width cycles or as directed.

ITEM 4574

Jetting piling to reach plan penetration will not be allowed. The use of pilot holes in water will not be allowed. A prototype anchor assembly of each type of size required for the pile placement shall be reviewed by the engineer for approval prior to fabrication of the anchor assemblies required for piling on the project.

ITEM 4580

The Contractor will develop an emergency plan in case of a material spill (i.e. fuel, hydraulic, etc.) on the temporary access platform. This plan will address both emergency measures to be taken immediately by the Contractor, as well as the names and phone numbers of applicable

regulatory agencies to be contacted. The Contractor's emergency plan will include at least two outboard boats and 400 ft of floating boom that will be maintained and available onsite for emergency deployment. The Contractor will be required to train personnel in the implementation of the emergency plan. During any operations over water, adequate personnel must be on hand who are trained and capable of implementing the emergency plan.

ITEM 5049

Biodegradable erosion control logs will be checked and cleared of debris or sediment (as well as maintenance) by the Contractor at least once a week. Biodegradable erosion control logs will also be checked and cleared of any debris or sediment after a ½" rain event or more. These tasks will be considered subsidiary to Item 5049 "Biodegradable Erosion Control Logs".

ITEM 5261

During the installation of the geogrid mats, the Contractor will not allow the traveling public to travel directly over the geogrid. A minimum flexible base thickness of 6 inches will be placed over geogrid prior to opening the mat to construction traffic.

The Contractor will provide adequate storage for the geogrid and will plan the installation of the geogrid so as to limit exposure to ultraviolet degradation. The manufacturer's recommendations will control, unless otherwise directed by the Engineer.

Type I geogrid will be used.

When using a multi-layer type of geogrid, longitudinally cut portions of a roll must be held together by at least two rows of longitudinal stitching to insure proper layer alignment during installation and maintain integrity of the cut portion

ITEM 6834

Furnish the portable changeable message signs displaying the correct message at least seven (7) days prior to beginning work or as directed.

The Contractor's Responsible Person (CRP) will maintain full control of messages at all times.

The Engineer will provide the sign message text to use at each sign.

A minimum of two (2) PCMS will be required. However, additional units may be necessary depending on the work in progress.

Standby time will not be measured or paid for directly, but will be subsidiary to pertinent Items.

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ITEM 8251

Establish and mark the location of existing standard pavement markings including but not limited to the edge lines, transitions, gore areas, etc.

Place pavement markings no later than 14 calendar days after the placement of the surface. When inclement weather prohibits placement of the markings, the 14 day period may be extended until weather permits proper application.

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*******SPECIFICATION DATA*******

UNIT WEIGHT ESTIMATES

EXISTING SUBGRADE -----	105 LBS/CF
ITEM 247 – FL BS (CMP IN PLC)(TY D GR 4) (FNAL POS)-----	136 LBS/CF
ITEM 341 – (3”) D-GR HMA (QCQA) TY C SAC-B PG 76-22 -----	330 LBS/SY
ITEM 341 – (11”) D-GR HMA (QCQA) TY B SAC-B PG 76-22 -----	1210 LBS/SY
ITEM 341 – (2”) D-GR HMA (QCQA) TY C SAC-B PG 76-22 -----	220 LBS/SY
ITEM 341 – (1”) D-GR HMA (QCQA) TY D SAC-B PG 76-22 -----	110 LBS/SY

COMPACTION REQUIREMENTS FOR BASE COURSE

ITEM 132 – EMBANKMENT (FINAL)(DENS CONT)(TY C)	
PLASTICITY INDEX -----	40 MAX
PLASTICITY INDEX -----	10 MIN
DENSITY -----	AS SHOWN ON
	TABLE 2 OF ITEM 132
LIFTS -----	ALL
ITEM 134 – BACKFILL (TY A OR B)	
PLASTICITY INDEX -----	40 MAX
PLASTICITY INDEX -----	10 MIN
DENSITY -----	ORDINARY COMPACTION
ITEM 247 – FL BS (CMP IN PLC)(TY D GR 4)(FNAL POS)	
DENSITY -----	100% MIN
LIFTS -----	ALL
ITEM 275- CEMENT TRT (EXIST. MATL)(8”) -----	
DENSITY -----	95% MIN
LIFTS -----	ALL
ITEM 166	
FERTILIZER @ 375 LBS PER ACRE-----	0.57 TONS

ITEM 168

VEGETATIVE WATERING @ 26,000 GAL/ACRE/MONTH-----624.5 MG

SURFACE TREATMENT DATA

ONE COURSE UNDERSEAL

ASPHALT, TYPE -----	AC-5, AC-10, CRS-2, HFRS-2
AVERAGE ASPHALT RATE (GAL/SY) -----	0.39
AGGREGATE RATE (CY/SY) -----	1/85
AGGREGATE TYPE -----	PB
AGGREGATE GRADE-----	4 SAC B OR 4S SAC B
ROLLING (FLAT WHL) (HR/SY) -----	1:100
ROLLING (LT PNEU) (HR/SY) -----	1:2500

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PRIME COAT

ASPHALT, TYPE-----MC-30 OR SS-1

AVERAGE ASPHALT RATE (GAL/SY)-----0.20

*****BASIS OF ESTIMATE*****

CSJ:0180-03-035

ITEM	DESCRIPTION	BASIS	RATE OF APPLICATION	QUANTITY.
ITEM 247	FL BS (CMP IN PLC) (TY D GR 4) (12")	3,203 SY	0.33 (CY/SY)	1,057 CY
ITEM 275	CEMENT	3,247 SY	0.0126 TONS/SY	41 TONS
ITEM 275	CEMENT TRT (EXIST MATL)(8")	3,247 SY		
ITEM 310	PRIME COAT (MC-30 OR SS-1)	3,095 SY	0.20 (GAL/SY)	619 GAL
ITEM 316	ASPH (AC-5, AC-10, CRS-2, HFRS-2)	3,021 SY	0.39 (GAL/SY)	1,178 GAL
ITEM 316	AGGR (TY-PB GR-4 OR 4S SAC-B)	3,021 SY	1/85 (CY/SY)	36 CY
ITEM 341	ASPH CONC PAV TY B (3")	2,982 SY	0.165 (TONS/SY)	492 TONS
ITEM 341	ASPH CONC PAV TY C (2")	2,945 SY	0.110 (TONS/SY)	324 TONS
ITEM 5261	GEOGRID REINFORCEMENT TY 1	3,247 SY	--	3,247 SY

CSJ:0180-04-083

ITEM	DESCRIPTION	BASIS	RATE OF APPLICATION	QUANTITY.
ITEM 247	FL BS (CMP IN PLC) (TY D GR 4) (12")	14,379 SY	0.33 (CY/SY)	4,745 CY
ITEM 275	CEMENT	14,029 SY	0.0126 TONS/SY	177 TONS
ITEM 275	CEMENT TRT (EXIST MATL)(8")	14,029 SY		
ITEM 310	PRIME COAT (MC-30 OR SS-1)	13,300 SY	0.20 (GAL/SY)	2,660 GAL
ITEM 316	ASPH (AC-5, AC-10, CRS-2, HFRS-2)	12,928 SY	0.39 (GAL/SY)	5,042 GAL
ITEM 316	AGGR (TY-PB GR-4 OR 4S SAC-B)	12,928 SY	1/85 (CY/SY)	152 CY
ITEM 341	ASPH CONC PAV TY B (3")	14,357 SY	0.165 (TONS/SY)	2,369 TONS
ITEM 341	ASPH CONC PAV TY C (2")	13,000 SY	0.110 (TONS/SY)	1,430 TONS
ITEM 423	RETAINING WALL	5,982 SF	--	5,982 SF
ITEM 5261	GEOGRID REINFORCEMENT TY 1	14,713 SY	--	14,713 SY
ITEM 6834	PORT. CHANGE. MESS. SIGNS		--	736 DAYS